

**U.S. ENVIRONMENTAL PROTECTION AGENCY  
REGION II**

**I. HEADING**

Date: February 9, 1996

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START

Subject: NL Industries, Pedricktown,  
Salem County, New Jersey

PLRP #: 76, #13-RV5, West Creek,  
Contaminated Sediment Removal

**II. BACKGROUND**

Site No:	61
D.O. No:	2001-02-004
Response Authority:	CERCLA
NPL Status:	NPL
Start Date RV I:	January 9, 1989
Completion Date RV I:	May 31, 1989
Start Date RV II:	November 6, 1989
Completion Date RV II:	September 20, 1990
Start Date RV III:	November 17, 1990
Completion Date RV III:	July 25, 1991
Start Date RV IV:	June 18, 1992
Completion Date RV IV:	June 26, 1992
Start Date RV V:	September 24, 1993

**III. SITE INFORMATION**

The West Creek, a tributary of the Delaware River, has received contaminated surface drainage from the NL Industries Site (the Site). Analytical results of creek samples collected in 1990 reported the concentration of lead to be 206 ppb in surface water and 26,800 ppm in the sediment. In 1990 the Salem County Mosquito Commission (SCMC) began removing sediment from the creek to relieve localized flooding. Sediment removal progressed upstream and downstream of the site but was stopped by EPA in the NL Plant area due to the high concentrations of lead in the creek sediment. The PRP surface cleanup of the site, completed in July 1994, included the disposal of slag and contaminated standing water; recycling of lead oxide and contaminated debris;



demolition of buildings; and filling of basements and pits. The site has been graded to prevent the accumulation of standing water.

#### **IV. RESPONSE INFORMATION**

##### **A. Situation**

###### **1. Current Situation**

ERCS and START continues sampling activities during the week ending 2/9/1996. To date, about one thousand samples obtained from areas A, B, C1 and C2. The next phase will involve the delineation on the contaminated hot spots and the shipment of 10 % of the collected samples, to a certified laboratory for confirmatory analysis. The result of the field investigation and the laboratory analysis will be used to establish and document the presence of CERCLA hazardous materials, followed by the excavation and the disposal of the contaminated soil.

EPA/START continues to prepare and dry the samples for the X-Ray Fluorescence (XRF) unit analysis. This week EPA/START analyzed about 350 samples for Pb with the (XRF) unit. This bringing the total number of samples analyzed to 999 samples out of the 999 samples collected. Of the 999 samples analyzed, 185 samples exceeded the 500 ppm cleanup level. Lead maximum concentration found was 18,530 ppm.

Sampling activities are divided into three areas. Area "A", south of Pedricktown Road, Area "B", north of Pedricktown Road extending to the Conrail Tracks and Area "C" from the RR tracks to Route 130.

Area "C" due to its length was divided into two sections. "C" extends from the railroad to the Crossover Road. Section "C2" extends from the Crossover Road to Route 130.

###### **2. Removal Actions to date**

See POLREP No.s 46 and 71 for RAB and PRP previous activities.

###### **3. Enforcement**

No EPA or State enforcement actions have been initiated at this time.

##### **B. Planned Removal Actions**

1. The ERCS crew remained at the minimum personnel.

ERCS will continue Site clearance and sampling.

2. EPA/START group will continue collecting and analyzing soil samples adjacent to the creek bank. Ten percent of the soil bank



samples will be sent to a private laboratory for total lead confirmation analyses.

**C. Next Steps**

1. ERCS will continue to sampling and EPA/START group will continue collecting and analyzing soil

**D. Key Issues**

N/A

**V. ESTIMATED COST INFORMATION As of February 9, 1996**

A.	Total Project Ceiling Authorized	\$ 5,946,000
B.	Obligated for Mitigation Contracts DCN#KEOI64, MOD008 9/26/95	\$2,503,600
C.	Extramural Costs Removal Contract	\$2,160,000
D.	Other Extramural Costs a-TAT Salary/Travel b-START Salary/Travel	\$165,695 \$65,000
E.	Intramural Removal Costs EPA Salary/Travel	\$170,000
F.	Total Expenditures	\$2,560,695

The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report is written. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

**VI. DISPOSITION OF WASTES**  
See previous PLRP.